



# TURCO PRODUCTS, INC. MATERIAL SAFETY DATA SHEET



03027 6304**-**1

SECTION I — PRODUCT NAME:

Manufacturer's Name:

Turco 6304

TURCO PRODUCTS, INC.

Address:

7300 Bolsa Ave., Westminster, CA 92684-3600

Emergency Telephone No.:

(614) 387-6200 Info. Tel. No. (714) 890-3600

## SECTION II — HAZARDOUS INFORMATION:

COMPONENTS	C.A.S. Number		ERCLA RQ ILL Ibs.	RCRA Waste No.	ACGIH TLV	OSHA TWA	%, WT.
Chromic acid*	1333-82-0	- 1	000	D007	50μg/m³Cr	CO.1 PPM CrO <sub>3</sub>	50
The following non-hazardous Community Right-to-Know Act			, incl	uding F			
CARCINOGENS (As defined in 29CFR 1910-120	D) N	TP		IARC		OSHA	
Chromium and certain chromium compounds ( 50 %)	Liste	d	List	ed	Not regul		
		HAZARD CLASS:  corrosive material		UN 1755	HAZARD I.D. No.: UN 1755		

#### SECTION III - PHYSICAL DATA:

BOILING POINT, °F: 212°F	SPECIFIC GRAVITY: 1.50
VAPOR PRESSURE (mmHg): 20 mm Hg	VOLATILE, % BY VOL: 50
VAPOR DENSITY (AIR = 1): Less than 1	EVAPORATION RATE Less than 1 %
APPEARANCE AND ODOR:	
Dark red liquid, mild odor	WARN IS 148 HOW WAS THE CONTROL OF T

#### SECTION IV - FIRE AND EXPLOSION HAZARDS:

of a substance known to the state of Cashella to cause canon, bith defects created may start to them.

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EXTINGUISHING MEDIA:

None

Dry chemical, carbon dioxide

FLASH POINT AND METHOD USED:

SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS: Use self-contained respiratory protection and full protective gear. Any water runoff may contain hexavalent chrome and should not be allowed to enter sewer or waterways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: May increase intensity of fire when in contact with combustible materials. Cool fire exposed containers cautiously with water spray.

## SECTION V - HEALTH, EMERGENCY AND FIRST AID INFORMATION:

EFFECTS OF OVER EXPOSURE: EYES: Contact with product or product solution will cause severe irritation, possible conjunctivitis, possible chemical burns, possible permanent damage and possible blindness.

SKIN: Contact with product or product solution will cause severe irritation and possible chemical burns. Contact with breaks in skin can cause ulceration. Chromic acid is a skin sensitizer. May

be absorbed through skin.

INHALATION: Inhalation of product mist or mist from product solution may cause ulceration and perforation of nasal septum, and irritation and damage to respiratory system. Symptoms of such irritation may resemble those of asthma. Overexposure to hexavalent chrome may cause lung cancer risk.

INGESTION:

Can be harmful or fatal if swallowed. Toxic effects may not appear immediately.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: Chromic acid is a systemic poison affecting the liver, kidneys and gastrointestinal tract, repeated overexposure may aggravate any preexisting dysfuntion of these systems.

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HU. HILLYN FIRST AID: EYES: Speed is essential. Immediately begin flushing eyes with large volumes of water. Continue for at least 15 minutes. Hold lids apart to assure contact with all surfaces. Obtain SKIN: Wash with soap and flush with plenty of water without delay. If irritation is evident or blistering occurs, obtain medical attention. INHALATION: Remove to fresh air. Administer oxygen if breathing is difficult. Obtain medical attention if irritation persists. giving syrup of ipecac or touching back of throat with finger. Repeat until vomit fluid is clear. Follow by more water or mucilaginous drinks. Obtain immediate medical attention. Never attempt to induce vomiting or give anything by mouth to an unconscious person. INHALATION \_\_\_X\_ SKIN CONTACT OTHER. PRIMARY ROUTES OF ENTRY: SECTION VI - REACTIVITY DATE: HAZARDOUS POLYMERIZATION WILL NOT OCCUR STABLE \_\_\_X UNSTABLE\_ CONDITIONS TO AVOID: Contact with strong acids, strong alkali, reducing compounds, flammable or com-<u>bustible</u> materials HAZARDOUS DECOMPOSITION PRODUCTS: None SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURE: SPILL OR RELEASE PROCEDURE: CONCENTRATE: Cleanup personnel should use appropriate protective equipment. Confine spill. Stop leak at source if this can be done safely. Ventilate area. Evacuate nonessential personnel. Pump liquid into DOT-approved drums for disposal. Absorb remaining material onto inert, inorganic absorbent and place in DOT-approved drums for disposal. Wash area with water. Collect washings and place in DOT-approved drums for disposal. Continue washing and collecting washing until all chrome is removed. Keep spill and all washings from entering sewer or waterways. USE SOLUTION: As for concentrate DISPOSAL INFORMATION: CONCENTRATE: (1) Transfer to reclaiming center for recycling or reuse, if possible. (2) Transfer to licensed hazardous waste treatment or disposal site for disposition under applicable local, state and regional regulations as hazardous waste. (3) Small amounts may be diluted with water, treated as described below and released to sewer if local regulations permit. SPENT SOLUTION AND RINSES: Dispose per (1) or (2) above, or spent solution and rinses can be treated to remove chromate and other oxidizing agents by reduction and precipitation and other objectionable ions removed by precipitation. Clarified water may be released to sewer if local regulations permit. Precipitated sludge must then be disposed of as hazardous waste per (1) or (2) above. SECTION VIII - SPECIAL PROTECTION INFORMATION: RESPIRATORY PROTECTION: For mist conditions, a NIOSH-approved respirator for toxic dusts and mist is advised. If respirators are used, a formal training and screening program must be initiated. See 29 CFR 1910-134. VENTILATION: Maintain sufficient mechanical ventilation to keep particulate concentration below TLV. PROTECTIVE EQUIPMENT: CHEMICAL FACE SHIELD OR GOGGLES: X GLOVES X BOOTS X APRON X PROTECTIVE SUIT Not normally required, but advised if necessary to avoid skin contact.

PECOMMENDED PERSONAL BYCIENE: Use h. boots (e.g., Viton, PVC, etc.)

RECOMMENDED PERSONAL BYCIENE: Use h. boots (e.g., Viton, PVC, etc.) RECOMMENDED PERSONAL HYGIENE: Wash hands and face with soap and water before smoking or eating. Immediately remove all contaminated clothing. Launder before reuse. Do not launder at home. Discard contaminated shoes. SECTION IX - OTHER INFORMATION:

SPECIAL PRECAUTIONS — STORAGE AND HANDLING:

Store in dry protected area away from strong acids or bases, reducing compounds, flammable or combustible material.

MIXING:

Slowly add to solution while mixing, taking care to avoid splashing or spattering. Use appropriate protective equipment.

REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT: Relieve any pressure. Cover openings to avoid splashing. Clean exterior and interior by flushing with water. Collect flushings for disposal. Use protective equipment for eyes, skin and inhalation.

DATE PREPARED. 5/30/89

DATE REVIEWED:

APPROVED: F. Fantozzi Q.C. DEPT./

R & D DEPT./

SAFETY & ENVIRON

TMSDS 4-6/86

BOE-C6-0226760



IMPORTANT NOTICE

## Re: Proposition 65 Warnings

This letter is intended to make you particularly aware of a new warning that we are adding to our Material Safety Data Sheets for essentially all of our products. The warning is required when any detectable amount, including trace quantities, of particular chemicals listed by the State of California as being carcinogens or reproductive toxins may be present in the product. The Safe Drinking Water and Toxic Enforcement Act of 1986 resulting from California's Proposition 65 requires among its major provisions that:

"No person in the course of doing business shall knowingly and intentionally expose any individual to a chemical known to the state to cause cancer or reproductive toxicity without first giving clear and reasonable warning to such individual ...." (California Health and Safety Code Section 25249.6)

We have recently received notification from various manufacturers of the individual ingredients being used to formulate our metalworking/treatment, etc. products that these basic ingredients contain detectable and/or trace amounts of the State-listed substances, usually as impurities or contaminants. We have also received notices from container suppliers that their metal and plastic containers may similarly contain detectable amounts of one or more State-listed substances.

In addition to any chemicals already listed as hazardous, Turco finished products may contain these basic ingredients which may or do contain the detectable or trace amounts of the State-listed substances. The type of warning shown on our MSDS sheets is therefore necessary. Copies of the applicable MSDS's are supplied to you as attachments to each bill of lading. Metalworking/treatment, etc. products, such as ours which are formulated with currently available ingredients containing trace or detectable quantities of the State-listed substances, are required under the law to bear the Proposition 65 warning.

It is recommended that you review The Safe Drinking Water and Enforcement Act carefully in order to determine if other obligations might exist for your company.

Very truly yours,

Turco Products, Inc.

Director of Technical Services

EXECUTIVE OFFICES: 7300 Bolsa Avenue, Westminster, California 92684-3600 • 714/890-3600 Telephone: (714) 890-3600 • Telex: 713710417 • Facsimile: (714) 892-7179

State Route 95 West / Box 195 / Marion, Ohio 43302 / (614) 387-6200



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5351-29A(30A)

SECTION I - PRODUCT NAME: Manufacturer's Name:

Turco 5351

TURCO PRODUCTS, INC. 7300 Bolsa Ave., Westminster, C2 192584-2600

Address: Emergency Telephone No.:

(814) 387-8200 Info. Tel. No. (714) 890-3800

SECTION II - HAZARDOUS INFORMATION:

COMPONENTS	C.A.S. Number	CERCLA RQ SSPILL lbs.	PCRA Waste No.	ACGIH TLV	OSHA TWA	%, WT.	
phenol *	ngrediem: in	1000 listed i	D007 n accor luding	50µg/m³Cr dance with Persylvania	500 PPM 5 PPM skin C.1 PPM CrO3 the Worker and New Je	l and	
CARCINOGENS (As defined in 29CFR 1910-1200)	नग्रह	IARC		OSHA			
methylene chloride	not liste	d listed		mot regulated			
Chromate ( 1 %)	Listæर्ष	1 11:	Listed		Not regulated		
PROPER SHIPPING NAME:	:HAZ	ARD DISERS:		HAZARD I.D. No.:			
Paint Related Material	i Co	nrosive Material		WW 37250			

#### SECTION III - PHYSICAL DATA:

BOILING POINT, "F: Approx 105°F	SPEDIEC GRAVITY: 1.14
VAPOR PRESSURE (mmHg): Approx 400mm	VOLATILE % BY VOL: Approx. 90%
VAPOR DENSITY (AIR = 1): More than 1	EVAPORATION RATE (Bu. Ac.=:1):
APPEARANCE AND ODOR:	(bu. Access). Lieuss then it
APPEARANCE AND ODOR:  Viscous opaque yellow brown liquid,, phenol sale	H sousulfilleries. Appresciable
SECTION IV — FIRE AND EXPLOSION HAZARDS:	Medico 3.1% Caniff O 97-9  Califo known as a velecular listed as here.

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HEALTH STATE OF THE STATE OF

Sala of California to cause

trace quantities

#### SECTION IV - FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED:

None to boil (Setaflash)

EXTINGUISHING MEDIA:

Carbon dioxide, foam, water fog special Fire Fighting Procedure and Precautions: Use self-contained respiratory protection. Any water runoff may contain hexavalent chrome and should mot be allowed to enter sewer or waterways.

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unusual fine and explosion hazards: Thermal decomposition may produce toxic oxides of carbon and/or chlorine. Drums exposed to 100°F and above may develop sufficient internal pressure to rupture.

# Section V — Health, Emergency and first aid information:

EFFECTS OF OVER EXPOSURE: EYES:

Moderate to severe irritation.

Severe damage, may cause blindness Liquid:

SKIN: Chemical burns, possible necrosis, defatting. May be absorbed through skin in toxic amounts Chromates are skin sensitizers.

Dizziness, headache, intoxication. Inhalation of mist of chromate-containing materials may cause permanent damage to upper respiratory tract, and may cause lung cancer risk.

INGESTION: Severe irritation to gastrointestinal tract, may be harmful or fatal if swallowed. Toxic effects may not appear immediately.

MEDICAL CONDITIONS WHICH MAY BE ACGRAVATED: Metabolism of metnylene chloride to carbon monoxide may lead to accumulation of dangerous levels of carboxyhemoglobin which may not be tolerated by persons with impaired cardio-pulmonary function. This may be aggravated by smoking.

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